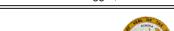
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 99.28

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter **Report No:** WIR-020960 Address: 333 Burma Road **Date Inspected:** 21-Feb-2011

City: Oakland, CA 94607

OSM Arrival Time: 700 **Project Name:** SAS Superstructure **OSM Departure Time:** 1900 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai

CWI Name: Tian Lei **CWI Present:** Yes No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:**

34-0006 **Bridge No: Component:** OBG

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector R. Hernandez was present during the time noted above and conducted observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

Bay Number 1

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR1-002 as identified on weld repair data sheet B-WR-22058 for repaired complete joint penetration welds identified as weld no.(s): 017. Welder is identified as welder no. 053609. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR2-001 as identified on weld repair data sheet B-WR-22056 for repaired complete joint penetration welds identified as weld no.(s): 017, 018, & 020. Welder is identified as welder no. 053609. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR2-002 as identified on weld repair data sheet B-WR-22055 for repaired complete joint penetration welds identified as weld no.(s): 017 & 008. Welder is identified as welder no. 217185. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR1-001 as identified on weld repair data sheet B-WR-22057 for repaired complete joint penetration welds identified as weld no.(s): 017, 018, & 020. Welder is identified as welder no. 217185. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

Bay Number 3

SMAW welding of complete joint penetration welds located on Edge Plate for Architectural Housing component identified as EP3017-001 for weld no.(s) 002~007. Welder is identified as welder no. 200113. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-B-P-2114.

SMAW welding of complete joint penetration welds located on Edge Plate for Architectural Housing component identified as EP3017-001 for weld no.(s) 001. Welder is identified as welder no. 058102. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-B-P-2311-TC-P4.

Bay Number 6

The following components were in the above noted bay: RL3011A, RL3011B, RL3015A, RL3016A, RL3016B, RL3017A, RL3017B, RL3343A, & RL3343B. At the time this inspector was in this bay, this inspector did not observe any work being performed on these components.

Bay Number 8

The following components were in the above noted bay: BK4A-060, BK4A-059, & BK4A-063. At the time this inspector was in this bay, this inspector did not observe any work being performed on these components.

Unless otherwise noted above all items observed on this day appeared to be in general compliance with the applicable contract documents

Summary of Conversations:

Pertinent conversations are included in the body of the report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By:	Hernandez,Rene	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer